

## PRESENTATION

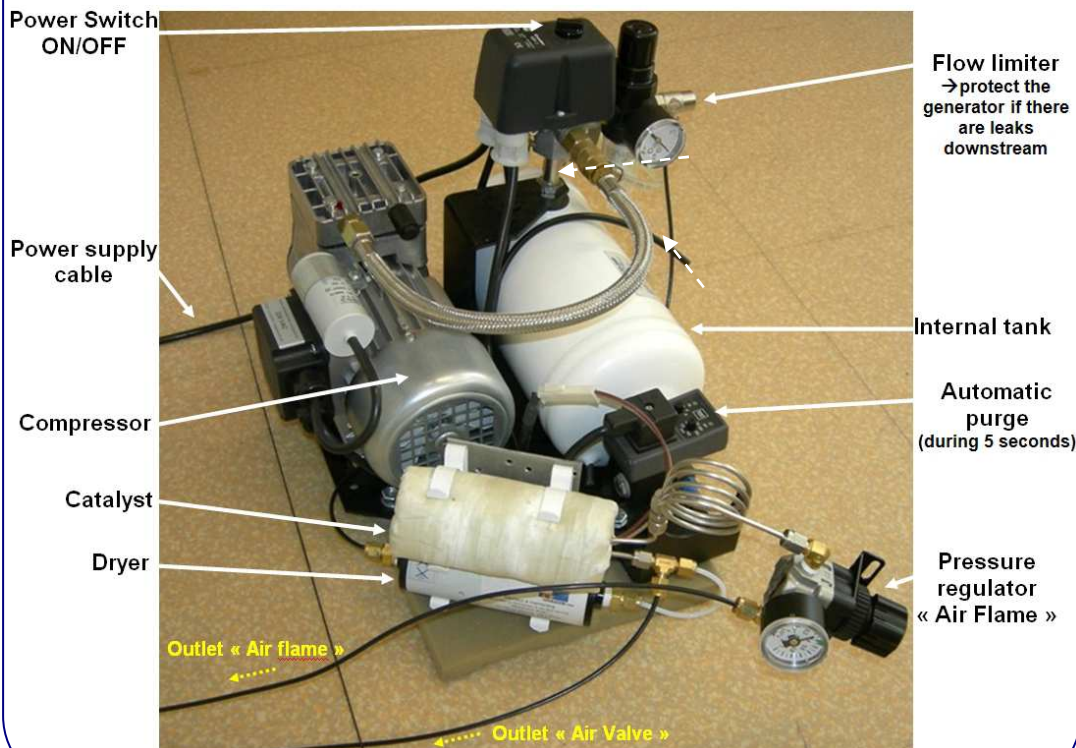
**The AirmoPURE-D** Zero Air generator contains a compressor (without oil), feeding an internal air tank.

The compressor works discontinuously to maintain an air pressure higher than 5 bars, in the tank.

When the tank pressure reaches a critical value of 5 or 6 bars (low value), the compressor starts in order to reach a maximum pressure around 8 bars (high value)

A manual pressure regulator is used to adjust outlet pressure. After the tank, the air is purified (through the catalyst) and dried (through the membrane dryer)

If you want more information concerning your generator (pressure, flows...), refer to its quality control report.



## INSTALLATION

### Purge of the generator

*Before an installation, **you absolutely have to purge the AirmoPure.** This guarantees a pure zero air. Doing this, there is no risk to pollute and damage your analysis system*

*If you have a needle valve, the purge is easy to do: connect the needle valve to limit the Air Zero generated to 500mL/Min. Purge 2 hours.*

*If you don't have a needle valve. follow the instructions below:*

- 1) Unscrew the pressure regulator « Air outlet » to close it  
Remark: If your generator has a « Valve Air » output, close this output, using a plug.
- 2) Connect the AirmoPure power supply cable
- 3) Start the AirmoPure, using the Power switch (→ position 1)
- 4) Gently open the pressure regulator (clockwise) to have a small air flow going to the vent (around 500mL/min)
- 5) Wait 2 hours to do the purge, then close the pressure regulator

### Connect the AirmoPure to the analysis system

- 6) Connect the air outlet to your analyzer (cf « Easy start document of your analyzer).
- 7) Set the air pressure to 3 or 4 bars, using the pressure regulator. The value depends on the system you use:
  - 3 bars on an analyzer
  - 4 bars if you use an system with another pressure regulator between the generator and the analyzer (ex : AirmoCAL, ...)
- 8) Check the leaks on all the fittings on your Air circuit, using SNOOP (soapy water)

**Remark:** Put the AirmoPURE on a flat area, far from the analyzers. Indeed, vibrations, created by the compressor can affect the analyzers' working.

## ***MAINTENANCE***

**Check regularly that :**

- The **outlet pressure is stable** (during the generator automatic purge, during a valve actuation on an analyzer...)
- The **compressor is not too hot**.
- The **compressor doesn't work in continuous**. If you know this situation, check the leaks on your air circuit.
- Empty the purge tank if necessary

**To increase your generator's lifetime**, we advise you to **do the preventive maintenance** on your AirmoPure (Kit 1 year and kit 3 years)

## ***STOP***

- 1) **Stop the analyzers** connected to the AirmoPure
- 2) **Stop the AirmoPure** (position 0 on the power switch)
- 3) **Wait** until the outlet pressure reaches **0 bar**
- 4) **Disconnect the generator from the analyzer**